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BASIC
IMAGERY
INTERPRETATION
REPORT

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

SOVIET NAVAL MISSILE STATIC TEST FACILITIES (S)

25X1

STRATEGIC WEAPONS INDUSTRIAL FACILITIES
USSR
JUNE 1979

Top Secret

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RCA-09/0014/79
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INSTALLATION OR ACTIVITY NAME					COUNTRY
Soviet Naval Missile Static Test Facilities					UR
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO.	COMIREX NO.	NIETB NO.
NA	See below	See below	See below	See below	See below

MAP REFERENCE
DMA. SIG, Series 1505, Sheet NP 35, 36-15, 2d ed. Nov 77, scale 1:250 000 (SECRET/Rel

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LATEST IMAGERY USED	NEGATION DATE (If required)
See "Abstract"	

Installation Name	Geographic Coordinates	Category	BE No	COMIREX No	NIETB (MRN) No
Leningrad Solid Motor Test Facility 2	60-12-50N 030-42-18E				
Leningrad Solid Motor Test Facility 3	60-15-33N 030-44-40E				

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ABSTRACT

1. (TSR) This report describes activity observed at Leningrad Solid Motor Test Facilities 2 and 3. The current reporting periods for Test Facilities 2 and 3 are

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the information cutoff date, respectively. This report also updates the relevant portions, describing these facilities, of NPIC report

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2. (TSR) Between August 1974 and mid-1976, test positions 2, 3, and 4 at Test Facility 2 were dismantled and replaced by test position 6. During the current reporting period, activity at the facility was seen primarily at test position 6. Since its apparent completion in 1976, the test position has undergone a number of changes which may indicate different test phases or programs involving new technologies.

3. (TSR) A modified version of the SS-N-12 missile system is being tested at Test Facility 3. This facility has also been involved in the testing of a new and/or modified weapon system. Testing of the SA-N-1/SA-3 missile system has apparently ended.

4. (U) This report contains a location map, a table, and seven photographs.

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BASIC DESCRIPTION

5. (TSR) Leningrad Solid Motor Test Facilities 2 and 3 (Figure 1) have, in the past, been involved in the static testing of solid propellant motors for new and/or modified weapon systems; in some cases, the facilities have been involved in testing the same missile system. This report describes current test activity and physical changes observed at these facilities during the reporting periods. The current reporting periods for Test Facilities 2 and 3 are [redacted] 25X1
[redacted] the information cutoff date, respectively. This report also updates 25X1
the relevant portions, describing these facilities, of a previous NPIC report.[1]

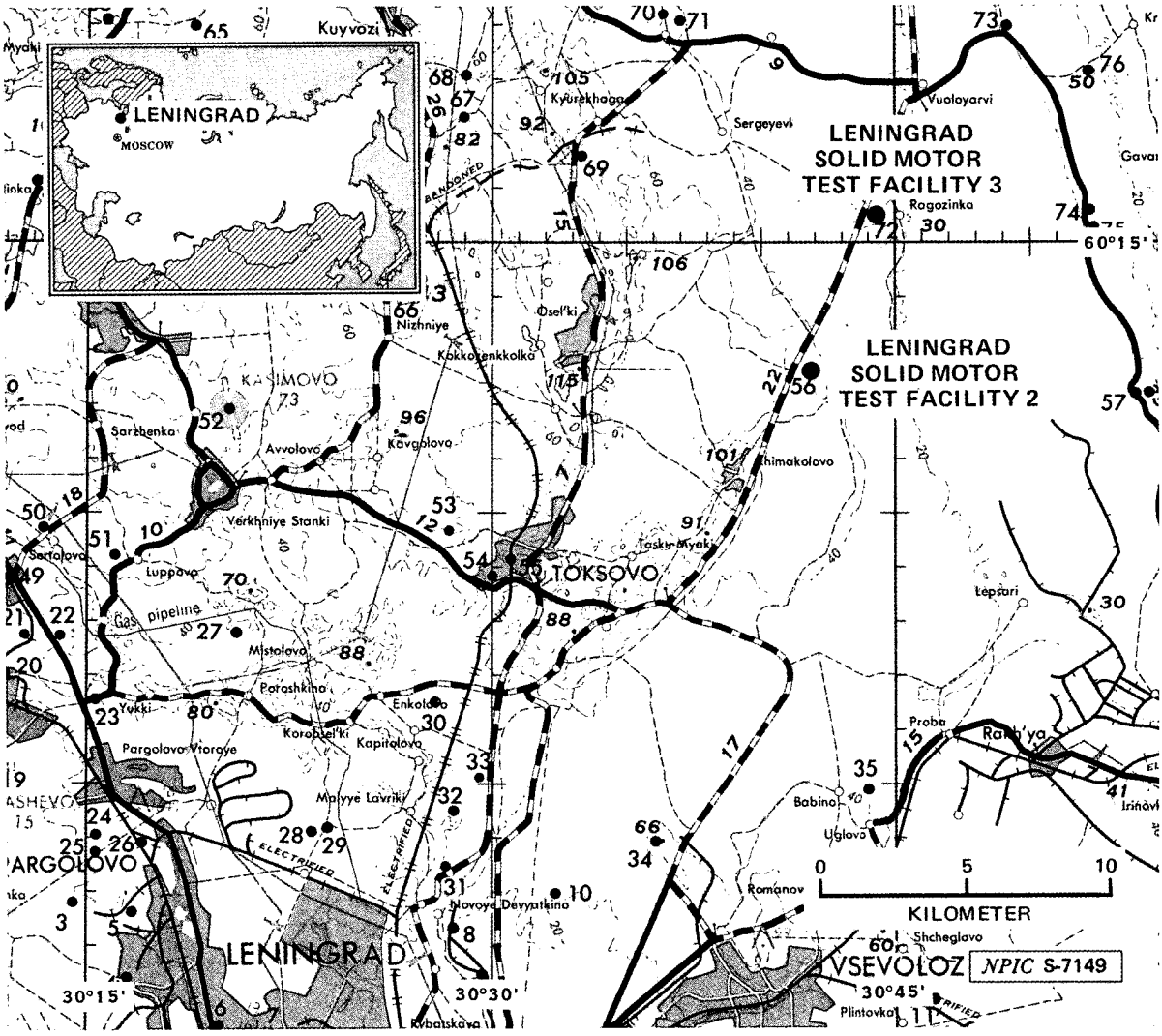

FIGURE 1. LOCATIONS OF LENINGRAD SOLID MOTOR TEST FACILITIES 2 AND 3, USSR

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Leningrad Solid Motor Test Facility 2

6. (TSR) During the reporting period, activity at Test Facility 2 (Figure 2) was seen primarily at test position 6. This test position is double-fence secured and has been undergoing construction and modifications since 1974. The precise function of the test position has not yet been determined, but its design suggests activity other than that of static testing of solid propellant motors.

7. (TSR) Between August 1974 and mid-1976, the Soviets dismantled test positions 2, 3, and 4. They were replaced by a single test position, designated test position 6 (Figure 3 and Table 1), which is unique in design to the USSR. Test position 6 consists of a revetted hardstand with a small building, a shelter, a set of tracks, optical positions, and a conduit situated on the hardstand. The conduit is L-shaped and extends from the small building through the revetment wall to a laboratory. The laboratory is parallel to the revetment wall and is connected by a pipeline to a support building. Pressure bottles have been seen stored horizontally in front of the support building, which is adjacent to a storage tank. A revetted explosives storage building and seven other support buildings are also within test position 6.

8. (TSR) The test position has undergone a number of changes since its apparent completion in 1976. Figure 3 shows the configuration of the test position as of [redacted] 25X1
[redacted] Figures 4 through 7 show changes and/or movement of objects and of structures on 25X1
the hardstand between [redacted] Although the significance of the 25X1
activity is unknown, it may be an indication of different test phases or of programs involving new technologies.

9. (TSR) No significant activity was observed at test positions 1 and 5 or in the structural test area (Figure 2) during the reporting period. The double fencing around two control bunkers has been removed and the ordnance witness panel has been dismantled, further suggesting that test position 6 will be the center of activity.

Leningrad Solid Motor Test Facility 3

10. (TSR) Leningrad Solid Motor Test Facility 3 (Figure 8) has been actively involved in propulsion testing of a modified SS-N-12 missile system since October 1976.[1-4] On that date, an SS-N-12 missile airframe and missile crates were observed in the facility. The airframe was at test position 4 where it was apparently undergoing an integrated airframe/propulsion test phase. Test position 4 was the primary site of test activity at the facility from 1976 through January 1978. By March, testing within the facility had been shifted to test position 2, a static test position for boosters and/or sustainer motors. The shift in test locations suggests that problems may have developed in the integrated test phase which require a more extensive component test program. Upon resolution of these problems, testing would be expected to be resumed at test position 4. An indication of this

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was seen on [redacted] On that date, snow had been selectively removed from the test cell—a procedure that was used in a previous test conducted at test position 2. It cannot be determined at what stage of development the modified SS-N-12 missile system is, but successful completion of the integrated test phase would make the missile system available for flight testing at launch facility A, Nenoksa Naval Missile Test Center [redacted] 25X1 25X1

11. (TSR) Also at Test Facility 3, an [redacted] canister was seen adjacent to the assembly/checkout building in September 1978. There were no distinguishable markings on the canister, but its size was comparable to that of a canister for the SS-N-15, an antisubmarine warfare (ASW) weapon. If the canister is for the SS-N-15, then its arrival at a research and development propulsion static test facility would indicate that the propulsion system for the weapon system has apparently been modified. 25X1

12. (TSR) The testing of components of the SA-N-1/SA-3 missile system at Test Facility 3 has apparently ended. The missile canister for the system(s), initially seen here in mid-1976, has not been seen since mid-1978, suggesting that the SA-N-1/SA-3 test program has been concluded.

REFERENCES

IMAGERY

(TSR) All applicable KEYHOLE imagery acquired through [redacted] the information cutoff date, was used in the preparation of this report. 25X1

MAPS OR CHARTS

DMA. Special Intelligence Graphic, Series 1505, Sheet NP 35, 36-15, 2d ed, Nov 77, scale 1:250,000 [redacted] 25X1

DOCUMENTS

1. NPIC. [redacted] RCA-09/0022/77, *Developments at Soviet Solid Propellant Research and Development Facilities (TSR),* Sep 78 (TOP SECRET [redacted] 25X1 25X1
2. NPIC. [redacted] RCA-17/0001/77, *Activity at Nenoksa Missile Test Center, January 1976—January 1977,* Apr 77 (TOP SECRET [redacted] 25X1 25X1
3. NPIC. [redacted] RCA-17/0003/78, *Activity at Nenoksa Naval Missile Test Center, January 1977—March 1978 (S),* Jul 78 (TOP SECRET [redacted] 25X1 25X1
4. NFAC/OWI. [redacted] WI 78-10020J, *A Soviet Naval Cruise Missile Development Program,* Sep 78 (TOP SECRET [redacted] 25X1 25X1

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REQUIREMENT

COMIREX J02
Project 290013DJ

(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] 25X1
Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [redacted] 25X1

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